

1. Approving Civil Aviation Authority/Country: **FAA/United States**

2. **AUTHORIZED RELEASE CERTIFICATE**
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number: **W1343**

4. Organization Name and Address: **Consolidated Turbine Specialists LLC
304 Old Trail Road
Bristow, OK 74010**

Repair Station Number: **6CUR212C**

5. Work Order/Contract/Invoice Number: **W1343**

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	PT6T-3D (Power Section)	3122952-01	1	CP-PS TH0465	Repaired

12. Remarks:
 Repaired and Tested IAW P&W O/H Manual P/N 3040593 Revision 25.
 All Periodic Inspections C/W IAW P&W Maintenance Manual P/N 3040592 Revision 30.
 No FAA or Canadian AD's are applicable.
 Fuel Nozzles Cleaned and Flowed IAW P&W Maintenance Manual P/N 3040592 Revision 30.
 This Engine has been purged, preserved and prepared for storage IAW P&W O/H Manual 3040593 Revision 25.
 PS TSN: 7,928.5 PS TSO: 2,428.4

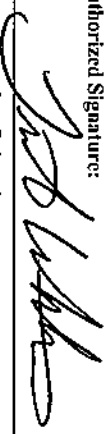
Certifies that the work specified in block 11/12 was carried out in accordance with EASA-145 and in respect to that work the item is considered ready for release to service under EASA Acceptance Certificate Number: EASA 145.6564

13a. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in a condition for safe operation.
 Non-approved design data specified in Block 12.

14a. 14 CFR 43.9 Return to Service Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:	13c. Approval/Authorization No.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			6CUR212C
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
		Trenton Whitehouse	23/Aug/2016

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.
 Where the user/installer performs work in accordance with the national regulations authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.
 Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

Consolidated Turbine Specialists LLC

P.O. Box 596
Bristow, OK 74010
Phone: 918-367-9665



FAA Repair Station # 6CUR212C

Model: S/N: Work Order: Cond.:

Power Section Total Time:	7,928.5	Power Section Time Since Overhaul:	2,428.4
Gas Generator Time Since New:	N/A	Gas Generator Time Since Overhaul:	N/A
Power Section Total Cycles:	Not Provided	Power Section Cycles Since Overhaul:	Not Provided
Gas Generator Total Cycles:	N/A	Gas Generator Cycles Since Overhaul:	N/A
Time Since Last H.S.I.	Not Provided	Time Since Last Repair:	0.0

Maintenance Release

Work Accomplished:

This Unit listed above has been Overhauled/Inspected /Repaired/Tested in accordance with current regulations of the Federal Aviation Administration and the work performed is approved for return to service. Pertinent details of the work performed are on file at this agency under the work order number list above.

Corrected Engine Performance

	SHP	NG	T5	SFC
Rating Take Off:	970	38200	1885	0.584
Test Cell Requirement:	N/A	N/A	N/A	N/A
Cor. Eng. Take Off Performance Repair Limit:	970	38700	1920	0.6165
Cor. Eng. Take Off Performance Overhaul Limit:	970	38500	1900	0.605
Cor. Eng. Test Cell Requirement Repair Limits:	N/A	N/A	N/A	N/A
Cor. Eng. Test Cell Requirement Overhaul Limits:	N/A	N/A	N/A	N/A

Trim Degrees F: Trim Degrees C: Trim Box P/N: S/N:

Bleed Valve P/N: S/N: B/V Class:

Inspector: Signature: Date:

Consolidated Turbine Specialists LLC

P.O. Box 596
Bristow, OK 7401
Phone: 918-367-9665



FAA Repair Station # 6CUR212C

Model: S/N: Work Order: Cond.:

Log Book Service Bulletin & AD Compliance

<u>Service Bulletin Number</u>	<u>Service Bulletin Number</u>	<u>Service Bulletin Number</u>	<u>Service Bulletin Number</u>	<u>Service Bulletin Number</u>	<u>Service Bulletin Number</u>
No S/B's C/W at this shop visit					
<u>AD's Complied with</u>					
FAA AD's	No AD's applicable				
Canadian AD's	No AD's applicable				
EASA AD's	No AD's applicable				

Inspector: Signature: Date:

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FAA Repair Station # 6CUR212C

Model: S/N: Work Order: Cond.:

Log Book Cycle Life Limited Components

<u>Nomenclature</u>	<u>P/N</u>	<u>S/N</u>	<u>Total Hours</u>	<u>Hour Limit</u>	<u>Hours Remain</u>	<u>Total Cycles</u>	<u>Cycle Limit</u>	<u>Cycle Remain</u>
Rear Hub	3041255	A0008W5C	N/A	N/A	N/A	17890	35,000	17110
2 nd Stage Comp. Disk	3040312	A000TTT7	N/A	N/A	N/A	17890	29,000	11110
3 rd Stage Comp. Disk	3040213	A000TMEC	N/A	N/A	N/A	17890	29,000	11110
Impeller	3027798	8H046	N/A	N/A	N/A	17890	29,000	11110
CT Disk	3041241	A002NWW5	N/A	N/A	N/A	4333.5	7,200	2866.5
PT Disk	3045622	A000R3E9	N/A	N/A	N/A	9062	15,000	5938
CT Blades	3043951-02	NSN	7928.5	10000	2071.6	N/A	N/A	N/A

Inspector: Signature: Date:

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FAA Repair Station # 6CUR212C

Model: S/N: Work Order: Cond.:

Log Book Accessories

<u>Nomenclature</u>	<u>P/N</u>	<u>S/N</u>	<u>TSN</u>	<u>TSO</u>
Fuel Pump	025277-300-07	PE-10217	Unknown	2428.4
Fuel Pump TSI = 482.1				
Flow Divider	3120483-01	0889	Unknown	2428.4
Fuel Oil Heater	10544E	WA3760	Unknown	Unknown
Fuel Nozzle Set	Various	Cleaned and Flowed IAW Maintenance Manual		
P3 Filter	WF336238	N/A	0.0	N/A
Fuel Pump Filter	WF336680	N/A	0.0	N/A
Manual Fuel Control (PT6T Only)	3244884-3	C-44858	Unknown	2428.4
Automatic Fuel Control (PT6T Only)	3244883-10	D-43492	5340.0	N/A
AFCU Time Since Mid-Life Inspection 1,058.9 hrs.				
Bleed Valve	S40-1407-4	3375	Unknown	3104.4

Inspector: Signature: Date: